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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/657,429	09/08/2003	Mami Miyasaka	NECF 17.638B	9031
26304	7590 03/03/2004		EXAMINER	
KATTEN MUCHIN ZAVIS ROSENMAN			QUASH, ANTHONY G	
575 MADISON AVENUE NEW YORK, NY 10022-2585			ART UNIT	PAPER NUMBER
			2881	
			DATE MAILED: 03/03/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

Application/Control Number: 10/657,429

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## Specification

On page 1 line 8, the application number to the additional application of which applicant claims that the present application is a divisional of, needs to be filled in with the appropriate application number.

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hirayanagi [289]. As per claim 1, Hirayanagi [289] teaches an electron gun (30), mask stage (4), a main mask (G1) having a plurality of first masks and one or more compensation masks including one or more non-defective second defined masks (G2) each having a pattern configuration, a wafer stage (37) on which a wafer (38) is provided with a resist film, first and second electron optical systems (see fig. 2), and a control device for controlling the deflections of the beam. See Hirayanagi [289] abstract, figs. 1-8, col. 4 lines 38-46, col. 5 lines 10-25, 60-68, col. 6 lines 5-25, col. 7 lines 10-35, col. 8 lines 30-67, col. 9 lines 15-25, col. 10 lines 1-30, and col. 15 lines 55-67. However, Hirayanagi [289] does not explicitly teach a storage device for storing

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addresses of a defective among the first defined masks and the address of a second defined mask corresponding to the first defined mask. Hirayanagi [289] does however; teach a master controller that contains memory. See Hirayanagi [289] col. 9 lines 15-25. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to use the memory of the master controller to for storing addresses of a defective among the first defined masks and the address of a second defined mask corresponding to the first defined mask in order to aid in the determination of the deflection and stage movement necessary in or prevent the transferring of defects onto the wafer.

## Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. U.S. Patent No. 6,090,527 to Yamazaki et al is considered pertinent due to its discussion on an electron beam exposure mask and method of manufacturing the same and electron beam exposure method.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony Quash whose telephone number is (571)-272-2480. The examiner can normally be reached on M-F from 9 a.m. to 5 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John R. Lee, can be reached on (571)-272-2477. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the

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receptionist whose telephone number is (703)-308-0956 or to the official fax number (703)-872-9306.

A. Quash 2/23/04

SUPER SORY PAYENT EXAMINER